



# DRAMA STRIP P840

## USER MANUAL



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Check that the unit has not been damaged during transport



Read all cautions and warnings  
prior to operation of this  
equipment

#### Protection Against Fire



Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit too close to a heat source.
5. Make sure cables are properly secured away from unit movement.
6. Maximum surface operating temperature 140°.

#### Protection Against Fire



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 6
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

#### Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

# Technical Information

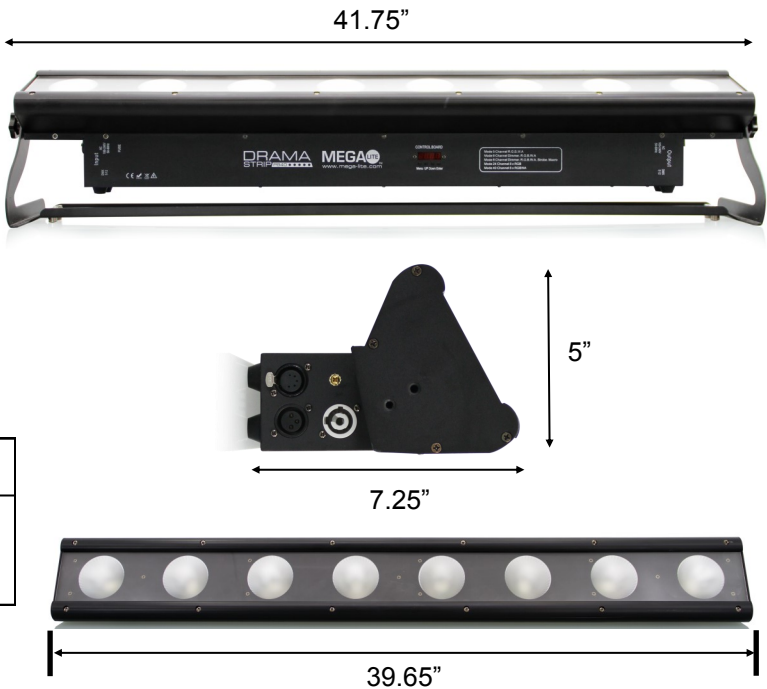
## Part Numbers

### Fixture

7040-Drama Strip P840

## Mechanical Specifications

- DMX Connectors:** XLR 3 and 5 pin in/out
- Power Connections:** Power Con type in/out
- Thermal:** Maximum ambient temperature 114° C  
Maximum surface temperature 140° C
- Display:** Digital
- Fastening System:** Floor Mounted or Single yoke with floor base



Fixture	Packaged for Shipping
Size: 41.75" x 3" x 4.65"	Size: 43.75" X 10.25" X 11.5"
Weight: 19.25 lb	Weight: 23.5lb

## Electrical Specifications

- LED Quantity:** 8 x Penta COB Color
- LED Watts:** 40 each
- LED refresh rate:** 4.7k HZ (flicker free)
- LED Lifetime:** 60,000 to 100,000 hours
- LED Beam Angle:** 33°
- LED Field Angle:** 60°
- Power Consumption:** Universal 100 - 240V 50/60 Hz
- Ballast:** Electronic
- Watts:** 214
- Amps:** 2.81

## Control & Programming

- Protocol:** DMX 512
- DMX Channels:** 5 Modes of operation
- Mode A 5 Channel R,G,B,W,A
  - Mode b 6 Channel Dimmer, R,G,B,W,A
  - Mode C 8 Channel Dimmer, R,G,B, Strobe, Macro
  - Mode d 24 Channel R,G,B, x 8
  - Mode E 40 Channel R,G,B,W,A x 8
- Operating mode:** Display preset setting, Stand alone, Color mix via display

## Viewing Angles

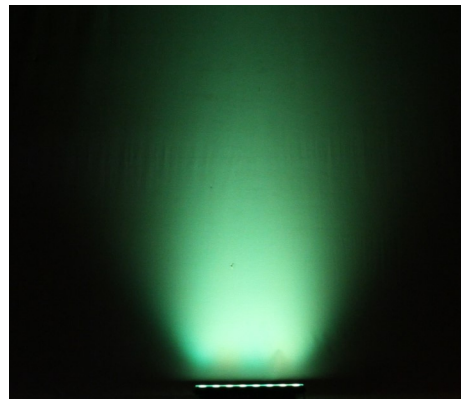
### Low Profile



### Up Light



### Adjustable





## Main Power Connection

### Caution!

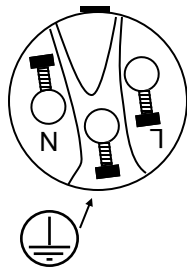
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 240V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

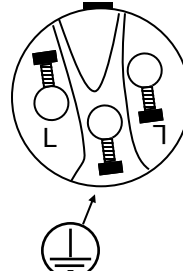
This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 220V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	N
Green	Yellow/Green	Ground		

110V  
Conne-



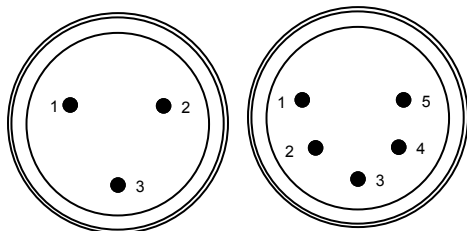
220V  
Conne-



## DMX-512 Connection

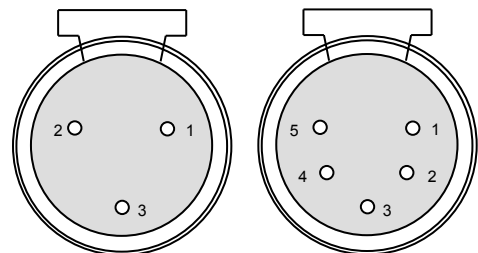
The fixture is equipped with 3 & 5 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 or 5 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—input



1. Shield
2. Signal (-)
3. Signal (+)
4. N/A
5. N/A

### DMX—output



### Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (PDMX-T).

# Main Control Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

## CONTROL BOARD



● ● ● ●  
Menu Up Down Enter

DMX Address	Red Dimmer	Green Dimmer	Blue Dimmer	White Dimmer	Amber Dimmer	Flash	Fade Scroll	Color Scroll	Chase Effect	Chase Speed
Addr	rL--	gL--	bl--	ul--	AL--	FLAS	FADE	ASC-	CE--	CS--
1-512	0-255	0-255	0-255	0-255	0-255	0-15	0-15	0-15	0-15	0-15

Show Chase	Sound Mode	Sound Sensor	Display Flip	Temp	Hours Used	Dimming Curve
SKND	SoUN	SENE	dISP	-CSS	Hour	dC--
	On Off	0-15			0-9999	01-02

### Addr Mode Setting & DMX Address

Press **Enter** to select the desired mode setting from A,b,C,d,E

A00	Mode <b>A</b> (5 Channels) R,G,B
b00	Mode <b>b</b> (6 Channels) Dimmer, R,G,B, Strobe, Macro
C00	Mode <b>C</b> (54 Channels) R,G,B, x 18
d00	Mode <b>d</b> (6 Channels) Dimmer, R,G,B, Strobe, Macro
E00	Mode <b>E</b> (54 Channels) R,G,B, x 18

Use the **up/down** keys to select the required DMX start channel. Press **Enter** to confirm

### rL-- Red Dimmer

This function allows you to dim the red LED's on the entire strip. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

### gL-- Green Dimmer

This function allows you to dim the green LED's on the entire strip. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

### bl-- Blue Dimmer

This function allows you to dim the blue LED's on the entire strip. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

## W L - - White Dimmer

This function allows you to dim the white LED's on the entire strip. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

## A L - - Amber Dimmer

This function allows you to dim the amber LED's on the entire strip. Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings. (255 Steps)

## F L A S H Flash

This function allows you to strobe the LED's on the entire strip on the selected color from the dimmer settings. Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings. (15 Steps)

## F A D E Fade Scroll

This function allows you to fade the LED's on the entire strip from the colors selected I dimmer settings. Press **Enter** use the **up/down** keys to select desired fade speed settings. Press **Enter** to confirm the settings. (15 Steps)

## A S C - Flash Scroll

This function allows you to change the LED's on the entire strip from one color to another. Press **Enter** use the **up/down** keys to select desired color change speed settings. Press **Enter** to confirm the settings. (15 Steps)

## C E - - Chase Effect

This function allows you to select different chase patterns on the entire strip. Press **Enter** use the **up/down** keys to select desired chase settings. Press **Enter** to confirm the settings.

## C S - - Chase Speed

This function allows you to select the speed of the chase that was selected on the Chase Effect . Press **Enter** use the **up/down** keys to select desired chase speed settings. Press **Enter** to confirm the settings.

## S O U N D Sound Chase

This function allows you to select the chase pattern that will be triggered via audio. Press **Enter** use the **up/down** keys to select desired Chase settings. Press **Enter** to confirm the settings.



## SOUF Sound Flash

This function allows you to select the flash pattern that will triggered via audio. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## SENS Sound Sensor

This function allows you to select the sensitivity of the audio sensor. Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

## dISP Display Flip

This function allows you to change the LED's on the entire strip from one color to another. Press **Enter** use the **up/down** keys to select desired color change speed settings. Press **Enter** to confirm the settings. (15 Steps)

## 7C55 Temp

This function allows you to monitor the temperature of the fixture. At 51 degrees Celsius the internal fan will engage. The smart fan sped will increase depending on the temperature of the fixture.

## HOUR Hours Used

This function allows you to monitor the amount if time the fixture has been powered on.

## dc-- Dimming Curve

Press **Enter** to select the desired dimming speed. Use the **up/down** keys to select desired dimming fade speed settings from 1 to 2. On the 1 setting there will be zero delay time from fading of the LEDs. On setting 2 there will be a gradual fading of the LEDs. Press **Enter** to confirm the settings.

## DMX Profile

# Drama Strip P840 Mode A

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255

# Drama Strip P840 Mode B

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255
5	LED Color	White LED Intensity	0-255
6	LED Color	Amber LED Intensity	0-255

# Drama Strip P840 Mode C

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255
5	LED Color	White LED Intensity	0-255
6	LED Color	Amber LED Intensity	0-255
7	Strobe	Strobe (slow to fast)	0-255
8	Macro	No Function	0-1
		Color Fade Full Bar	2-16
		Color Snap Full Bar	17-33
		Macro Effect 1	34-50
		Macro Effect 2	51-67
		Macro Effect 3	68-84
		Macro Effect 4	85-101
		Macro Effect 5	102-118
		Macro Effect 6	119-135
		Macro Effect 7	136-152
		Macro Effect 8	153-169
		Macro Effect 9	170-186
		Macro Effect 10	187-203
		Macro Effect 11	204-220
		Macro Effect 12	221-237
		Macro Effect 13	238-254
		Macro Effect 14	255

# Drama Strip P840 Mode D

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
" "	" "	" "	" "
23	LED Color	Red LED intensity	0-255
23	LED Color	Green LED Intensity	0-255
24	LED Color	Blue LED Intensity	0-255

# Drama Strip P840 Mode E

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255
" "	" "	" "	" "
36	LED Color	Red LED intensity	0-255
37	LED Color	Green LED Intensity	0-255
38	LED Color	Blue LED Intensity	0-255
39	LED Color	White LED Intensity	0-255
40	LED Color	Amber LED Intensity	0-255

## Rigging the fixture

### Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the projector has got to be built in the way that it can hold 10 times the weight for 1 hour without any harming. Installation should be checked at least one time a year by a skilled person.

## Cleaning and maintenance

**Installation Maintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:

- 1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
  - 2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
  - 3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments.
- Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**Note:** There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

**Replacing the fuse:** Only replace the fuse with the same type and rating.

**Replacing the power cable:** If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only. In order to avoid hazards.

**Should you have further questions , please contact your dealer.**

## Parts List

7040-PLED	Penta LED Replacement
7040-PCB	Main PCB card
7040-LPS	Large Power Supply
7040-DIS	Display
4076-FH	Fuse Holder
7040-LEDMOD	LED Module with 8 LEDs
4076-KNOB	Knob Set

## Accessories

7040-BD	Single Blade Barn Door
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# Warranty Information

## Warranty Conditions

- Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.
- LEDs are not guaranteed to match in color temperature or output.
- It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.
- Goods returned under warranty must follow the proper authorization procedure and must be accompanied by a copy of the original invoice and Return Authorization Number given by MSI.
- Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment.
- Repair or replacement as provided for under this warranty is the exclusive remedy of the consumer. MEGA SYSTEMS INC. makes no warranties, express or implied, with respect to any product, and Mega Systems specifically disclaims any warranty of merchantability or fitness for a particular purpose. Mega Systems shall not be liable for any indirect, incidental or consequential damage, including lost profit, sustained or incurred in connection with any product or caused by product defect or the partial or total failure of any product regardless of the form of action, whether in contract, tort (including negligence), strict liability or otherwise, and whether or not such damage was foreseen or unforeseen.
- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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